| INFORMATION DISCLOSURE                   | Application Number           |       | 10641370    |
|--|------------------------------|-------|-------------|
|  | Filing Date                  |       | 2003-08-03  |
|  | First Named Inventor Aryan S |       | Saed        |
| ( Not for submission under 37 CFR 1.99)  | Art Unit                     |       | 2618        |
| (Not for Submission under or of it 1.53) | Examiner Name                | Thuar | n T. Nguyen |
|  | Attorney Docket Number       |       | 9931-0036   |

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| /TN/                 | 1          | 6980604       |                           | 2005-12-00 | Kubo et al.                                     |  |
| /TN/                 | 2          | 5650758       |                           | 1997-07-00 | Xu et al.                                       |  |
| /TN/                 | 3          | 6208207       |                           | 2001-03-00 | Cavers  |  |
| /TN/                 | 4          | 5880633       |                           | 1999-03-00 | Leizerovich                                     |  |
| /TN/                 | 5          | 6072364       |                           | 2000-06-00 | Jeckeln et al.                                  |  |
| /TN/                 | 6          | 6388518       |                           | 2002-05-00 | Miyalani  |  |
| /TN/                 | 7          | 6211733       |                           | 2001-04-00 | Gentzler  |  |
| /TN/                 | 8          | 6043707       |                           | 2000-03-00 | Budnick   |  |

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| /TN/ | 9  | 6985704 | 2006-01-10 | Yang et al.    |  |
|------|----|---------|------------|----------------|--|
| /TN/ | 10 | 6940916 | 2005-09-06 | Warner et al.  |  |
| /TN/ | 11 | 6054896 | 2000-04-25 | Wright et al.  |  |
| /TN/ | 12 | 7127005 | 2006-10-00 | Wight          |  |
| /TN/ | 13 | 5990738 | 1999-11-00 | Wright et al.  |  |
| /TN/ | 14 | 6737914 | 2004-05-00 | Gu             |  |
| /TN/ | 15 | 6147553 | 2000-11-00 | Kolanek        |  |
| /TN/ | 16 | 6215354 | 2001-04-00 | Kolanek et al. |  |
| /TN/ | 17 | 7068101 | 2006-06-00 | Saed et al.    |  |
| /TN/ | 18 | 6975167 | 2005-12-00 | Saed           |  |
| /TN/ | 19 | 7034613 | 2006-04-00 | Saed           |  |

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| /TN/                                   | 20   | 7015752                                 |                              | 2006-03         | 3-00            | Saed                          |  |                |           |                             |    |
|--|--|---|------------------------------|-----------------|-----------------|-------------------------------|--|----------------|-----------|-----------------------------|----|
| /TN/                                   | 21   | 7026872                                 |                              | 2006-04         | 006-04-00 Saed  |                               |  |                |           |                             |    |
| /TN/                                   | 22   | 7026871                                 |                              | 2006-04         | I-00            | Saed                          |  |                |           |                             |    |
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| /TN/                                   | 1  | 20050162225                             |                              | 2005-07-00      |                 | Suzuki et al.                 |  |                |           |                             |    |
| /TN/                                   | 2  | 20020159532                             |                              | 2002-10         | 02-10-00 Wight  |                               |  |                |           |                             |    |
| /TN/                                   | 3  | 20020047745                             |                              | 2002-04         | 2-04-00 Kolanek |                               |  |                |           |                             |    |
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|--|------------|---|---|--|------------|--|--|--|--|--|--|
| /TN/   | 1          |   | BIRAFANE et al; Phase-Only Predistorion for LINC Amplifiers with Chireix-Outphasing Combiners; 6 June 2005; IEEE Transactions on Microwave Theory and Techniques, volume 53, Issue 6, Part 2, Pages 2240-2250 |  |            |  |  |  |  |  |  |
| /TN/   | 2          | ,   | COX, Linear Amplification with Nonlinear Components, Dec. 1974, IEEE Transactions on Communications, Vol 12, Issue 12, pages 1942-1945  |  |            |  |  |  |  |  |  |
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